Projected Works.—Tenders were called for by advertisement in last week's newspapers for extensive additions to the Newmarket union-house; erection of a coal storehouse and coke-shed on the works of the Gosport Gas and Coke Company at Newtown, near Gosport; repairing Bow bridge, in the parish of Godshill, and widening and repairing Shide bridge, in the parishes of Carisbrooke and Whippingham, Hampshire; various works necessary in building a new church at Sutton, Lancashire; building new sewers in Clerkenwell (1,200 feet and 800 feet) in separate tenders); extending sewers in Mile End-road (400 feet); covering over the Brook Course at Derby by an arch 24 feet in span, with an inverted arch; supplying quantities of granite, gravel, and other materials, pump iron-work, gas posts, copper lanterns, pipes, fittings, &c., in St. Giles's-in-the-fields, and St. George's, Bloomsbury. Also for the execution of the works on the London and North Western Railway branch from Coventry to Nuneaton; and on 16 miles and 7¼ miles of the Reading and Riegate line; for the erection of stations between Melton Mowbray and Manton on the Midland line; and for the excavation and formation of a tunnel and other works for the Bristol Water-Works.

Ely Cathedral Alterations.—Various reparations have been executed in the cathedral and collegiate buildings connected with this closing scene of poor Mr. Basevi's life; and the Dean and Chapter are cutting out new work for fresh subscriptions, to the roughly-estimated amount of 8,000*l.*, for which they are now appealing to all who are interested in the thorough restoration of this venerable old national property. The Bishop himself gives 500*l.*, the Dean and Chapter, 1,000*l.* &c. The *Cambridge Advertiser* says:—

"We have been favoured with a plan of the improvements now projected by the Dean and Chapter—one being to throw open all the arches of the present choir to the side aisles, restoring the tombs of Bishops de Luda, Redmayn, Kilkenny, Hotham, Barnett, and Northwold; and of Tiptoft, Earl of Worcester; and bringing into view the magnificent series of monuments, as well as the beautiful monumental chapels of Bishops Alcock and West, to restore and polish the great marble piers of the choir, and to effect many other necessary and admirable improvements. Another and a more extensive and expensive plan is, to extend the restorations to the great lantern, and completely restore that glory of the building, and complete the corona of turrets and pinnacles of the exterior octagon as originally designed. The former of these improvements would cost at least 8,000*l.*, while the latter would require a much larger sum."

New Church at Kimberly.—The church just completed at Kimberly, and consecrated on Thursday week, is a plain building, in the early pointed style, consisting of a nave and chancel, the former lighted by four single lancet windows on each side, and a double one with quatrefoil over at the west end. The chancel is of the apse form, divided from the nave by a lofty arch, and lighted by three single lancet windows over a colonade. The walling stone used in the erection of the edifice is from the Kimberly quarries. The buttress, quoins, window and door-dressings are from Coxbench, forming a contrast in colour. The whole length of the building exteriorly is ninety-three feet, and in width thirty-four feet, exclusive of buttresses, and it is forty-eight feet high to the ridge. It has an open timber roof, the principal trusses supported by stone corbels. The nave has a passage down the centre; the divisions filled up with open benches; sittings free. The woodwork in the interior is stained in imitation of oak. The works have been performed by Mr. R. Barber, of Eastwood.

British Glass.—A parliamentary paper, just printed, shews that in the year ending the 5th of January last, the following quantities of British glass were exported from the United Kingdom:—14,695 cwt. of flint glass, 20,345 cwt. of window glass, 19,625 superficial feet of plate glass, 217,557 cwt. of common glass bottles, and of looking-glasses and mirrors the declared value exported in the year was 3,671*l.* To China 290 cwt. of flint glass, 140 cwt. of window glass, 3,299 superficial feet of plate glass, and 5,893 cwt. of common glass bottles, besides 370*l.* worth of looking-glasses and mirrors, were sent from the United Kingdom.

Office for Public Records.—It appears that a site has not yet been selected. Sir G. Grey, however, states that a decision on the most eligible of four sites recommended will be now speedily come to.

TENDERS.

Delivered at Messrs. Charrington's brewery-office on Friday last, 21st, for building about 670 feet of second-size sewer, with drains to front of intended houses,—gullys and street gratings,—also about 640 feet of boundary wall, and 475 feet of road to be made up 3 feet above the present level of Charrington's park.

Livermoore	£1,137
Curtis	1,129
Jay	1,123
Munday	1,098
Hill (accepted)	1,090

MEETINGS OF SCIENTIFIC BODIES

During the ensuing Week.

Monday, May 31.—Institute of British Architects, 16, Grosvenor-street, 8 P.M.

Tuesday, June 1.—Institution of Civil Engineers, 25, Great George-street, 8 P.M.

Wednesday, 2.—Society of Arts, Adelphi, 8 P.M.; Architectural Association.

Thursday, 3.—Royal Society, Somerset House, 8½ P.M.; Society of Antiquaries, Somerset House, 8 P.M.

TO CORRESPONDENTS.

"*B. B.*"—We shall be glad to hear *early* from our correspondent, relative to a recent disaster.

"*H. A. M.*"—We cannot afford the information desired.

"*Subscriber.*"—If the quantity of water which fell on one inch superficial of the earth on a given day be obtained, it is, of course, easy to calculate how much fell on a roof of a stated size.

"*A. B.*"—There is no such Act. The house would be endangered without precautions.

"*J. R. R.*"—It is not the practice.

"*Constant Reader.*"—There is no duty on two windows only. If there are additional windows, the charge is too high. Look to any pocket-book.

"*A Subscriber.*"—Tables and Rules for Calculating Earthwork, Land Curves, &c. By J. B. Huntington. Weale.

"*Cymro.*"—A copy will be sent regularly, upon receipt of post-office order.

"." Other Correspondents must excuse us till next week.

Received.—"R. O. H." "G. A." "P." "Henri." "W. T." "Constant Reader." "H. W." "R. R." "Amateur Veritatis." "Remarks on the Right of Property in Mechanical Invention." By T. Turner.

"*Books, Prices, and Addresses.*"—We have not time to point out books or find addresses.

ADVERTISEMENTS.

MUTUAL LIFE ASSURANCE, ANNUITIES, &c. The INDUSTRIOUS CLASSES may effect Assurances on Life for 20*l.* and upwards. Annuities for themselves in Old Age, or for their Widows, and Endowments for Children. Premiums may be paid Quarterly or Monthly. Assurers will have the security of a Guarantee Fund.

Apply personally, or by letter, to R. W. MORRIS, Actuary to the Medical, Legal, and General Mutual Life Assurance Society, 126, Strand, London.—Agents wanted.

SOVEREIGN LIFE ASSURANCE COMPANY, No. 5, St. James-street, London.

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Assurances on the lives of persons in every station of life and every part of the world, granted on a plan which combines the utmost amount of benefit to the families of the assured AT DEATH, with every attainable advantage DURING LIFE, which the system of Life Assurance is capable of affording.

ANNUITIES, ENDOWMENTS, ADVANCES, and LOANS, on liberal terms.

Prospectuses, Forms of Proposal, and every information, may be had on application, either personally or by letter, at the Company's Offices.

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In addition to Assurances on Healthy Lives, this Society continues to grant Policies on the Lives of Persons subject to Gout, Asthma, Rupture, and other Diseases, on the payment of a premium proportioned to the increased risk. The plan of granting Assurances on Invalid Lives originated with this Office in the beginning of 1824.

TABLE OF PREMIUMS FOR ASSURING 100*l.* ON A HEALTHY LIFE.

Age	For Seven Years, at an Annual Payment of	For Fourteen Years, at an Annual Payment of	Life Rate
	£. s. d.	£. s. d.	£. s. d.
20	1 4 1	2 6 1	2 10 4
30	1 7 8	2 9 3	2 14 6
40	1 10 4	2 13 6	3 3 8
45	1 14 8	2 18 0	3 13 0
50	2 3 0	3 12 11	4 7 3
55	2 9 14	3 18 3	5 8 6
60	4 2 5	5 1 3	6 7 8
65	5 16 8	6 12 11	7 10 9

Every description of Assurance may be effected with this Society, and Policies are granted on the Lives of Persons in any station, and of every age.

Bonuses.—The two first divisions averaged 22*l.* per cent. on the Premiums paid. The Third, 9*l.* per cent. The FOURTH Bonus, declared January 1847, averaged rather more than 20*l.* per cent.; and, from the large amount of profit already realized, which has been reserved for future appropriations, and other causes, the Bonuses hereafter are expected considerably to exceed that amount.

The Society's income, which is steadily increasing, is now upwards of 114,000*l.* per annum.

GEO. H. PINCKARD, Actuary.
75, Great Russell-street, Bloomsbury, London.

MORTGAGE AND ANNUITY OFFICE, No. 125, CHANCERY-LANE.

PERSONS requiring LOANS by way of MORTGAGE, or otherwise, upon any available security, may at all times procure an advance to the extent of from £50 to £10,000, or so much as the property will bear, by applying to Mr. BRAY, surveyor, at the offices as above.

N.B. To expedite the procuration, personal application at the office would be all sufficient; the party bringing with them the abstract of title, plans, &c.

ARCHITECTS, BUILDERS, and the Trade in general, are informed they can be supplied with Cement and Plaster Ornaments of first-rate quality, consisting of chimney-shafts in the Elizabethan and other styles, trusses, bal[illegible] vases, capitals, centre flowers, paterae, bed mouldings, &c. &c., on the most reasonable terms, by JNO. HERBERT and SON, Modellers, &c., 68, Parker-street, Drury-lane. Modelling executed for the Trade.

A first-rate assortment of shop-front trusses ready for fixing.—Centre flowers fixed complete 25 per cent. cheaper than papier maché.

CHEAP ROMAN CEMENT is sold in Casks that will not contain Five Bushels, even by some manufacturers of a very respectable name. Consumers should see that the standard size cask is 20 inches long by 17½ across the head, outside measure. Any workman with a rule in his pocket can ascertain this.

ATKINSON'S CEMENT.—WILLIAM WOOD, Jun., Manufacturer of Roman, Portland, and Bath Cement, Blue and White Lias Lime Works, CHURCH STREET, ROTHERHITHE, London. Sole Consignee of Atkinson's Cement.

PORTLAND CEMENT is the only Cement for external purposes which requires no painting or colouring, does not vegetate or turn green in damp situations, and is not acted upon by frost.

Being perfectly hydraulic, it is the best cement to use for building and lining reservoirs, baths, cisterns, fish-ponds, &c. &c.

Manufacturers, J. B. WHITE and SONS, Millbank-street, Westminster.

BATHSIDE CEMENT WORKS, established to supply a genuine quality of ROMAN CEMENT. THOS. JNO. CHARMAN, Patentee, 8, Laurence Pountney Hill, Cannon-street, London. Depôts:—Three Crane Wharf, 69, Upper Thames-street; St. George's Wharf, Upper Belgrave-place, Pimlico; Burton's Wharf, Commercial-road, Lambeth; Railway Wharf, Greenwich.

N.B. Plaster of Paris and Bricks at reasonable prices.

KEENE'S PATENT MARBLE CEMENT forms an exceedingly hard and indestructible Stucco, which may either be prepared for paint, or finished in imitation of stone, by the addition of Portland or other stone dust.

It is a cheap and efficient substitute in place of wood for skirting, architrave, and other mouldings, in its application for which purpose it checks the progress of Fire and the attacks of Vermin.

Patentees and sole Manufacturers, J. B. WHITE and SONS, Millbank-street, Westminster, and Keel-street, Liverpool.

GREAVES'S LIAS LIME and CEMENT.

BUTTY and VEREY, 2, South Wharf, Paddington.

LIAS LIME, as Mortar, is especially adapted for sewers, dock-walls, hydraulic, railway, and other works; its adhesive qualities being superior to Roman Cement.

As CONCRETE, it has more power than any other Cement or Lime, as it forms a solid mass—sets as firm as a rock under water—using one bushel of lime to eight of gravel.

LIAS CEMENT is easily worked of a beautiful stone colour (similar to Portland stone), does not vegetate or crack, hardens by exposure to the atmosphere, and is well adapted for modelling and casting.

Metallic Sand on hand.

MARTIN'S FIRE-PROOF AND ORNAMENTAL CEMENT.

CAUTION.—Messrs. STEVENS and SON, Patentees, beg to caution their friends and the trade generally against confounding this invaluable Cement with others erroneously said to be of the same description. S. and S. pledge themselves that MARTIN'S CEMENT is totally dissimilar in composition and manufacture from every other, and being a neutral compound, is not only free from chemical agency upon any substance with which it may come in contact, but completely resists the action of the strongest acids. They feel it a duty to direct attention to the following properties, which it exclusively possesses:—

1. It rapidly acquires the hardness of stone.

2. Unlike other internal cements, its hardness is uniform throughout its entire thickness.

3. Its surface (which may be made equal to that of the finest marble) NEVER TURNS OUT ANY SALT, and will receive paint in four days, without peeling, when put upon dry work.

It is peculiarly adapted as an internal stucco for walls, skirtings, architraves, mouldings, and enrichments of all kinds, to all of which purposes it has been extensively applied by Mr. Thomas Cubitt, on the Grosvenor estate, &c.

For the above purposes, it possesses great advantages over woods being more economical and durable, resisting fire, damp, and vermin.

For the floors of halls and fire-proof warehouses, its lightness, durability, and uniform surface give it an immense advantage over stone, being, at the same time, much more economical. The most satisfactory references can be given. To be had of the Patentees, Plaster of Paris and Cement Manufacturers, 156, DRURY LANE.

Agent for Liverpool and Manchester, Mr. H. PART, 20, Canning-place, Liverpool.

TO ARCHITECTS, ENGINEERS, CONTRACTORS, BUILDERS, MASONS, AND PLANTERERS, MERCHANTS, SHIPPERS, AND THE PUBLIC IN GENERAL.

JOHN'S and CO.'S PATENT STUCCO CEMENT.—The following are the positive advantages possessed by this Invention over every Cement hitherto introduced:—

It will effectually resist damp. It will never vegetate, nor turn green, nor otherwise discolour. It will never crack, blister, nor peel off. It will form a complete Stone coating to any Building covered with it. It so closely resembles Stone that it is impossible to detect it. It never requires either to be painted or coloured. It will keep fresh and good in the cask, in any Climate, for any number of years. It is the only Cement that can be depended upon for export. It is the only Cement that can be used with confidence by the Sea-side. It may be used in the bottom or coldest Climates at any season. It will adhere to any substance, even to Wood, Iron, or Glass. It will carry a larger Proportion of Sand than any other Cement. It matures by age, and becomes perfect when other Cements begin to perish. It may be worked through the Winter, as frost has no effect upon it. It may be used on the Inner Walls of new Houses, which may be papered over or painted directly. Roofs laid or pointed with this Cement will remain undamaged by the severest Storms. Any Plasterer may apply it, the Instructions for use being very clear and distinct. The first cost of this material does not exceed that of the cheapest Cement now in use; but with all the above unusual extraordinary and valuable advantages, nothing can approach it in point of economy.

Architects and Builders who have used this Cement have declared that it requires only to be known to be universally preferred.

Specimens may be seen, and a Prospectus fully describing the Cement, and its mode of application, together with a volume of Testimonials from every part of the Kingdom, may be obtained on application at the office of "The Builder," and of MANN and CO., SOLE AGENTS for the Patentees, 3, Maiden-lane, Queen-street, Cheapside, London; of whom also may be had

JOHN'S and CO.'S PATENT STONE-COLOUR STUCCO PAINT, expressly intended for Painting over exterior Walls of Houses that have been covered with Roman or other Cements, and which have become dirty and discoloured. It is in every way better suited for this purpose than White Lead Paints, which will frequently come off in flakes, being in direct chemical opposition with Cement; whereas MESSRS. JOHN'S and CO.'S PATENT PAINT having an affinity for Stucco, binds itself with it, stopping the suction, thereby rendering the wall proof against weather, and in the finish producing a pale stone-like effect, professable by no other Paint whatever. It is cheap in its application,—and may be used by any Painter, in any climate, even in the most exposed Marine situations.

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